

Pawnee Indian Health Center

Pawnee, Oklahoma

Outpatient Service Area

Pawnee Indian Health Center

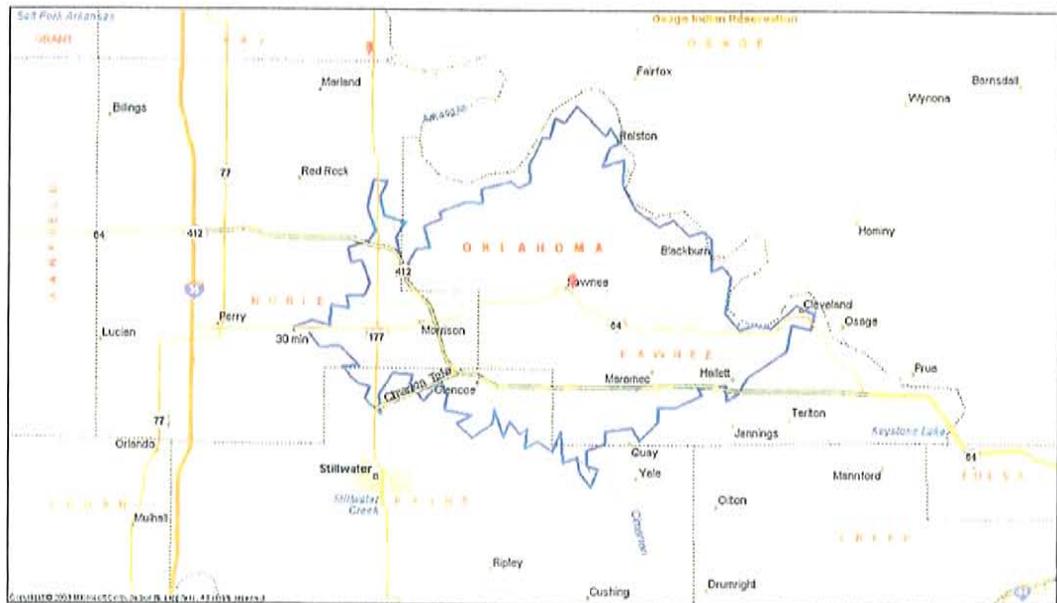
Service Area Profile



A. Location

Service Area – 30 minute drive time access

- | Service Area Communities |
|--------------------------|
| ● Cleveland |
| ● Hallett |
| ● Jennings |
| ● Keystone |
| ● Maramec |
| ● Pawnee |
| ● Ralston |
| ● Skedee |
| ● Terlton |
| ● Glencoe |
| ● Yale |



B. Access

The service area is served by a good network of state and federal highways. Major highways to Pawnee include U.S. Highway 64 and State Highway 18. These highways and other secondary roads are rarely closed due to the weather or other factors. There is no public transportation in the area.

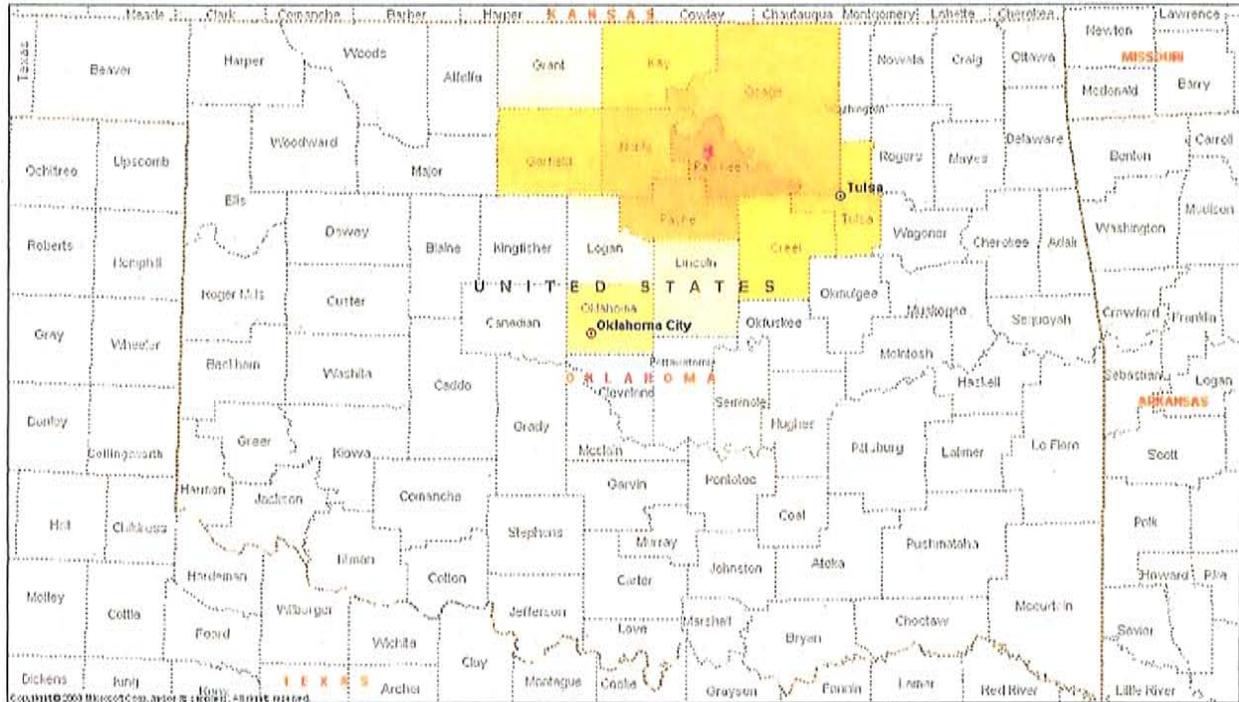
C. Demographics

PAWNEE SERVICE UNIT 2004 USER POPULATION ANALYSIS

County	Iowa OK	Kaw	Osage	Otoe-Missouria	Pawnee	Ponca	Sac & Fox OK	Tonkawa	All Other	2004 Total
Garfield	7	12	25	57	10	30	0	0	544	685
Grant	0	1	2	1	0	3	0	1	53	61
Kay	20	516	274	206	70	1421	17	160	1913	4,597
Noble	9	21	20	346	39	150	10	5	324	924
Osage	8	39	1822	28	55	42	5	1	2019	4,019
Pawnee	11	8	162	46	626	34	18	0	1110	2,015
Payne	105	19	63	98	196	44	213	0	1714	2,452
	160	616	2,368	782	996	1,724	263	167	7,677	14,753

County	2000 Census	User/Census	2014 HSP Projection	User/Proj	Census/Proj
Garfield	1,219	56.19%	2,383	28.75%	51.15%
Grant	126	48.41%	60	101.67%	210.00%
Kay	3621	126.95%	5438	84.53%	66.59%
Noble	864	106.94%	1080	85.56%	80.00%
Osage	6410	62.70%	7946	50.58%	80.67%
Pawnee	2015	100.00%	2083	96.74%	96.74%
Payne	3126	78.44%	4314	56.84%	72.46%
	17,381	84.88%	23,304	63.31%	74.58%

2004 PCPVs by Community of Residence by County to the Pawnee Indian Health Center



D. Topography and Climate

The topography of the Pawnee Service Area is marked by timber belts separating hilly grassland areas that are ideal for cattle and livestock. It is part of the Great Plains and is known in Oklahoma as the “cross-timbers”, populated largely by blackjack and post oak trees. Originally part of the Cherokee Outlet, Pawnee County lies between the Cimarron River on the south and the Arkansas River on the north.

Winds from the south to southeast are quite dominant. The average annual temperature is 15 degrees Celsius. For the most part, moderate weather conditions prevail; however, the temperatures do range from 35.5 degrees Celsius in the Summer to -4.4 degrees Celsius and below in the winter. The average annual precipitation is 990.6 mm per year.

The weather is very changeable in temperatures and winds. Tornadoes are not uncommon especially during spring and early summer months. Thunderstorms occur on about 51 days each year, predominantly in the spring and summer. Typically, there are about 2-3 event each year of hail exceeding one inch in diameter.

E. Housing and Public Facilities:

The City of Pawnee's total population is 2,230 people and the total population for Pawnee County is 16,612. The Indian population for the County is 4,698. Housing is reasonably abundant in the area. Most Indians within the Pawnee Service Area live in single family homes either owned by the family or rented.

Pawnee has a post office, grocery stores, convenience stores, cafes and other public facilities such as a public park, library and lake. There are local police and fire departments.

Oklahoma is located in the so-called Bible belt of the United States and nearly every community has an abundance of churches and other places of worship.

Tulsa, with a population of 393,049, is located 98 kilometers Southeast of Pawnee. Tulsa has commercial airports.

F. Utilities

The primary source for potable water is from wells. Other sources of water are lake reservoirs such as Lower Black Bear Number 17 Reservoir. The majority of homes in the rural area are supplied by either wells or rural water systems.

Most of the natural gas for the Pawnee Service Area is supplied by bottled gas (propane). Pawnee is supplied by Oklahoma Natural Gas Company; Cleveland, Hallett, and Jennings are supplied through a Municipal pipeline.

Electricity is supplied by Oklahoma Gas and Electric Company. Cleveland, Ralston and Skedee are supplied electricity by Indian Electric Co-op. This source of electrical service is coupled with rural electrical co-ops. Both sources provide electricity to the majority of homes in the area. Pawnee is supplied through the Tulsa Municipality.

Telephone services are widespread and are supplied by the Cimarron Telephone Company in the Pawnee Service Area. Southwestern Bell Telephone Company services Cleveland, Pawnee and Ralston. The non-availability of telephone services is not a common problem in this service area. However, many Indian families cannot afford to pay for telephone services, which can be quite expensive in rural areas.

Television is widespread and with the rapid spread of cable and satellite systems, almost every small town has access to cable or satellite television. Otherwise, reception is limited to Tulsa stations and public television.

G. Education

Public Schools are located in every small city or town in the Service Area for grades 1-12.

Oklahoma State University is located in Stillwater, 45 kilometers Southwest of Pawnee. This institution offers both BA and BS degrees in a variety of fields, as well as Masters Degrees in

Education, Music, Business and Nutritional Sciences. It has a widely known Osteopathic School, which is located on the Health Sciences Campus in Tulsa, 98 kilometers from Pawnee.

H. Economy

The County is primarily noted for agriculture and cattle. Other employment is provided by the major manufacturing company for the County, Columbia Windows. People living in the Eastern or Southern part of the Service Area may commute to Tulsa or Stillwater for work.

I. Social and Political

The Pawnee tribe is the predominant tribe in the Pawnee County Service Area. The Pawnee Indians are members of the Caddoan linguistic family, which inhabited a large region in central North America stretching from South Dakota to Texas and Louisiana. The Pawnees occupied the northern portion of this domain, concentrated most heavily in the area of present-day Nebraska. Most of the Pawnee villages were scattered along the Loup, Platte, and Republican Rivers in the present state of Nebraska. They apparently migrated northward from their Caddoan homeland near the Red River prior to 1600 and settled in the vicinity of the Arkansas River in southern Kansas and northern Oklahoma in the seventeenth century.

The Pawnees depended heavily on two staples, the buffalo and corn. The Pawnee lifestyle alternated between hunting buffalo and planting or harvesting crops. After planting and hoeing their crops, they left their villages in mid-June for a buffalo hunt. They returned to harvest crops in September and, after storing their foodstuffs, left in late October for their winter buffalo hunt. During their hunts, the Pawnees lived in skin-covered tipis. While at their permanent villages, they lived in earth lodges.

The Pawnee entered into agreements to cede their lands to the United States Government 1833, 1848, 1857 and 1872. In 1875 they moved from Nebraska to the Pawnee Indian Agency in Oklahoma. Today the official count of Pawnees is put at just over 2,500 people.

In 1936 the Oklahoma Indian Welfare Act established the Pawnee Business Council, the Nasharo (Chiefs) Council with eight members each serving four year terms, a tribal constitution, bylaws, and charter. The seat of the Pawnee tribal government and administration is located at Pawnee, Oklahoma.

Building Area Summary...	<u>Template Or Discipline</u>	<u>Net Square Meters</u>	<u>Conversion Factor</u>	<u>Department Gross Square Meters</u>
<u>Ambulatory</u>				
Primary Care	PC1	291.60	N/A	451.00
<u>Ancillary</u>				
Pharmacy	PH1	138.00	N/A	168.00
Physical Therapy	PT1	116.20	N/A	149.00
<u>Support Services</u>				
Education & Group Consultation	EGC	14.00	1.10	15.40
Employee Facilities	EF	77.00	1.20	92.40
Housekeeping & Linen	HL1	25.50	1.10	28.00
Housekeeping & Linen	HL	16.00	1.10	17.60
Property & Supply	PS1	149.70	N/A	160.00
Public Facilities	PF	47.00	1.20	56.40

Department Gross Square Meters	1137.80
Building Circulation & Envelope (.20)	227.56
Floor Gross Square Meters	1365.36
Major Mechanical Space (.12)	163.84
Building Gross Square Meters	1529.20

Workload Summary...

	<u>Year</u>	<u>Total Workload</u>	<u>Contracted Due To Acuity</u>	<u>Threshold</u>	<u>Unmet Need</u>	<u>Cross over</u>	<u>HSP Facility Workload</u>	<u>Proj 1 Estimated Facility Workload</u>
<u>Acute Care</u>								
Medical Bed days	2001	221	66	155				
	2015	251	75	176				
Pediatric Bed days	2001	84	12	72				
	2015	92	13	79				
Surgical Bed days	2001	146	53	93				
	2015	164	59	105				
<u>Audiology</u>								
Audiology Visits	2001	252			252		252	
	2015	288			288		288	
<u>Clinical Engineering</u>								
Clinical Engineering	2001	106			106		106	
	2015	120			120		120	
<u>Dental Care</u>								
Dental Service Minutes	2001	210330		210330				
	2015	238355		238355				
<u>Diagnostic Imaging</u>								
CT/MRI Exams	2001	15	15					
	2015	17	17					
Fluoroscopy Exams	2001	54		54				
	2015	61		61				
General Radiography	2001	649		649				
	2015	735		735				
MAMMOGRAPHY	2001	341		341				
	2015	383		383				
Ultrasound Exams	2001	108		108				
	2015	122		122				
<u>Education & Group Consultation</u>								
# of staff	2015	17			17		17	
<u>Emergency</u>								
Emergency Room Visits	2001	976		976				
	2015	1103		1103				
<u>Eye Care</u>								
Optometrist Visits	2001	718		718				
	2015	817		817				
<u>Facility Management</u>								
Service index	2001	6			6		6	
	2015	7			7		7	
<u>Housekeeping & Linen</u>								
Lbs of Linen	2001	1129			1129		1129	

Workload Summary...

	<u>Year</u>	<u>Total Workload</u>	<u>Contracted Due To Acuity Threshold</u>		<u>Unmet Need</u>	<u>Cross over</u>	<u>HSP Facility Workload</u>	<u>Projected Estimated Facility Workload</u>
	2015	1278			1278		1278	
<u>Intensive Care</u>								
Intensive Care bed days	2001	42	19	23				
	2015	49	23	26				
<u>Laboratory</u>								
Chem/Hema/Immun/Urin	2001	6722	403		6319		6319	
	2015	7610	457		7153		7153	
Histo/Cytology billable	2001	15	15					
	2015	17	17					
Microbiology billable tests	2001	1381	552		829		829	
	2015	1563	625		938		938	
Transfusion/BB billable	2001	124	2	122				
	2015	140	3	137				
<u>Mental Health</u>								
Mental Health Visits	2001	373			373		373	
	2015	415			415		415	
<u>Pharmacy</u>								
Inpatient Pharmacy	2001							
	2015							
Outpatient Pharmacy	2001	98809			98809		98809	
	2015	111820			111820		111820	
<u>Physical Therapy</u>								
Inpatient Physical Therapy	2001							
	2015							
OUTPATIENT PHYSICAL	2001	1034		1034				
	2015	1177			1177		1177	
<u>Primary Care</u>								
Primary Care Provider	2001	7730			7730		7730	
	2015	8749			8749		8749	
<u>Property & Supply</u>								
Storage Index	2001	1971			1971		1971	
	2015	2231			2231		2231	
<u>Psychiatric Nursing</u>								
Psych Bed days	2001	29	6	23				
	2015	35	8	27				
<u>Public Health Nursing</u>								
Public Health Nursing	2001	673			673		673	
	2015	767			767		767	
<u>Respiratory Therapy</u>								

Workload Summary...

	<u>Year</u>	<u>Total Workload</u>	<u>Contracted Due To Acuity Threshold</u>		<u>Unmet Need</u>	<u>Cross over</u>	<u>HSP Facility Workload</u>	<u>Project Estimate Facility Workload</u>
Respiratory Therapy work	2001	5872			5872			
	2015	6649			6649			
<u>Specialty Care</u>								
Specialist Visits	2001	391			391			
	2015	443			443			
<u>Sub-Acute</u>								
SubAcute Bed days	2001	171			171			
	2015	195			195			
<u>Surgery</u>								
Inpatient Episodes	2001	44	12		32			
	2015	53	15		38			
Outpatient Episodes	2001	58	16		42			
	2015	67	19		48			

Current / Projected User Population... Health Center Service Area - (PC)

(Acute Care, Audiology, Dental Care, Diagnostic Imaging, Emergency, Eye Care, Intensive Care, Labor & Delivery/Nursery, Mental Health, Physical Therapy, Primary Care, Psychiatric Nursing, Public Health Nursing, Specialty Care, Sub-Acute, Surgery)

PAWNEE - CLEVELAND (PAWNEE)

M/S: cur) 100.0% prj) 100.0%

Male	<1	1-4	5-9	10-14	15-19	20-24	25-34	35-44	45-54	55-64	65+	Total
cur) 2001	3	24	25	26	19	18	32	30	13	12	15	217
prj) 2015	3	27	28	29	21	20	35	33	14	13	17	240
Female												
cur) 2001	1	23	26	28	33	20	40	34	24	21	25	275
prj) 2015	1	25	29	31	37	22	44	38	27	23	28	305

PAWNEE - GLENCOE (PAYNE)

M/S: cur) 100.0% prj) 100.0%

Male	<1	1-4	5-9	10-14	15-19	20-24	25-34	35-44	45-54	55-64	65+	Total
cur) 2001			5	5	4	6	6	6	2	3	4	41
prj) 2015			7	7	5	8	8	8	3	4	5	55
Female												
cur) 2001		1	2	3	3	1	4	5	4	7	4	34
prj) 2015		1	3	4	4	1	5	7	5	9	5	44

PAWNEE - HALLETT (PAWNEE)

M/S: cur) 100.0% prj) 100.0%

Male	<1	1-4	5-9	10-14	15-19	20-24	25-34	35-44	45-54	55-64	65+	Total
cur) 2001					2	2	1	1	1		1	8
prj) 2015					2	2	1	1	1		1	8
Female												
cur) 2001				2		3			1		1	7
prj) 2015				2		3			1		1	7

PAWNEE - JENNINGS (PAWNEE)

M/S: cur) 100.0% prj) 100.0%

Male	<1	1-4	5-9	10-14	15-19	20-24	25-34	35-44	45-54	55-64	65+	Total
cur) 2001		3	5	10	5	7	7	9	7	3	2	58
prj) 2015		3	6	11	6	8	8	10	8	3	2	65
Female												
cur) 2001		6	7	11	11	5	10	8	6	3	3	70
prj) 2015		7	8	12	12	6	11	9	7	3	3	78

PAWNEE - KEYSTONE (PAWNEE)

M/S: cur) 100.0% prj) 100.0%

Male	<1	1-4	5-9	10-14	15-19	20-24	25-34	35-44	45-54	55-64	65+	Total
cur) 2001												
prj) 2015												
Female												
cur) 2001				1					1	1		3
prj) 2015				1					1	1		3

Current / Projected User Population... Health Center Service Area - (PC)

(Acute Care, Audiology, Dental Care, Diagnostic Imaging, Emergency, Eye Care, Intensive Care, Labor & Delivery/Nursery, Mental Health, Physical Therapy, Primary Care, Psychiatric Nursing, Public Health Nursing, Specialty Care, Sub-Acute, Surgery)

PAWNEE - MARAMEC (PAWNEE) M/S: cur) 100.0% prj) 100.0%

Male	<1	1-4	5-9	10-14	15-19	20-24	25-34	35-44	45-54	55-64	65+	Total
cur) 2001	1		2	1	1	1	2	3		1	2	14
prj) 2015	1		2	1	1	1	2	3		1	2	14
Female												
cur) 2001		1	3		3		2	1	1	2	2	15
prj) 2015		1	3		3		2	1	1	2	2	15

PAWNEE - PAWNEE (PAWNEE) M/S: cur) 100.0% prj) 100.0%

Male	<1	1-4	5-9	10-14	15-19	20-24	25-34	35-44	45-54	55-64	65+	Total
cur) 2001	3	30	50	64	63	31	61	73	52	36	34	497
prj) 2015	3	33	55	71	70	34	68	81	58	40	38	551
Female												
cur) 2001	2	27	54	54	66	33	48	91	63	46	58	542
prj) 2015	2	30	60	60	73	37	53	101	70	51	64	601

PAWNEE - RALSTON (PAWNEE) M/S: cur) 100.0% prj) 100.0%

Male	<1	1-4	5-9	10-14	15-19	20-24	25-34	35-44	45-54	55-64	65+	Total
cur) 2001		5	7	6	5	2	10	8	5	5	5	58
prj) 2015		6	8	7	6	2	11	9	6	6	6	67
Female												
cur) 2001		6	6	3	6	3	7	7	6	6	6	56
prj) 2015		7	7	3	7	3	8	8	7	7	7	64

PAWNEE - SKEDEE (PAWNEE) M/S: cur) 100.0% prj) 100.0%

Male	<1	1-4	5-9	10-14	15-19	20-24	25-34	35-44	45-54	55-64	65+	Total
cur) 2001		1										1
prj) 2015		1										1
Female												
cur) 2001						1						1
prj) 2015						1						1

PAWNEE - TERLTON (PAWNEE) M/S: cur) 100.0% prj) 100.0%

Male	<1	1-4	5-9	10-14	15-19	20-24	25-34	35-44	45-54	55-64	65+	Total
cur) 2001	2	2	10	7	12	6	6	3	13	5	3	69
prj) 2015	2	2	11	8	13	7	7	3	14	6	3	76
Female												
cur) 2001	2	9	4	6	12	10	8	12	5	5	4	
prj) 2015	2	10	4	7	13	11	9	13	6	6	4	85

Current / Projected User Population... *Health Center Service Area - (PC)*

(Acute Care, Audiology, Dental Care, Diagnostic Imaging, Emergency, Eye Care, Intensive Care, Labor & Delivery/Nursery, Mental Health, Physical Therapy, Primary Care, Psychiatric Nursing, Public Health Nursing, Specialty Care, Sub-Acute, Surgery)

PAWNEE - YALE (PAYNE)

M/S: cur) 100.0% prj) 100.0%

Male	<1	1-4	5-9	10-14	15-19	20-24	25-34	35-44	45-54	55-64	65+	Total
<i>cur) 2001</i>	1	8	11	13	7	10	7	5	8	2	4	76
<i>prj) 2015</i>	1	11	15	18	9	13	9	7	11	3	5	102
Female												
<i>cur) 2001</i>	1	9	14	11	6	10	16	6	10	4	8	95
<i>prj) 2015</i>	1	12	19	15	8	13	22	8	13	5	11	127

Totals...

Male	<1	1-4	5-9	10-14	15-19	20-24	25-34	35-44	45-54	55-64	65+	Total
<i>cur) 2001</i>	10	73	115	132	118	83	132	138	101	67	70	1039
<i>prj) 2015</i>	10	83	132	152	133	95	149	155	115	76	79	1179
Female												
<i>cur) 2001</i>	6	82	116	119	140	86	135	164	121	95	111	1175
<i>prj) 2015</i>	6	93	133	135	157	97	154	185	138	107	125	1330
Combined												
<i>cur) 2001</i>	16	155	231	251	258	169	267	302	222	162	181	2214
<i>prj) 2015</i>	16	176	265	287	290	192	303	340	253	183	204	2509

Average Age for the Service Unit: 30.6